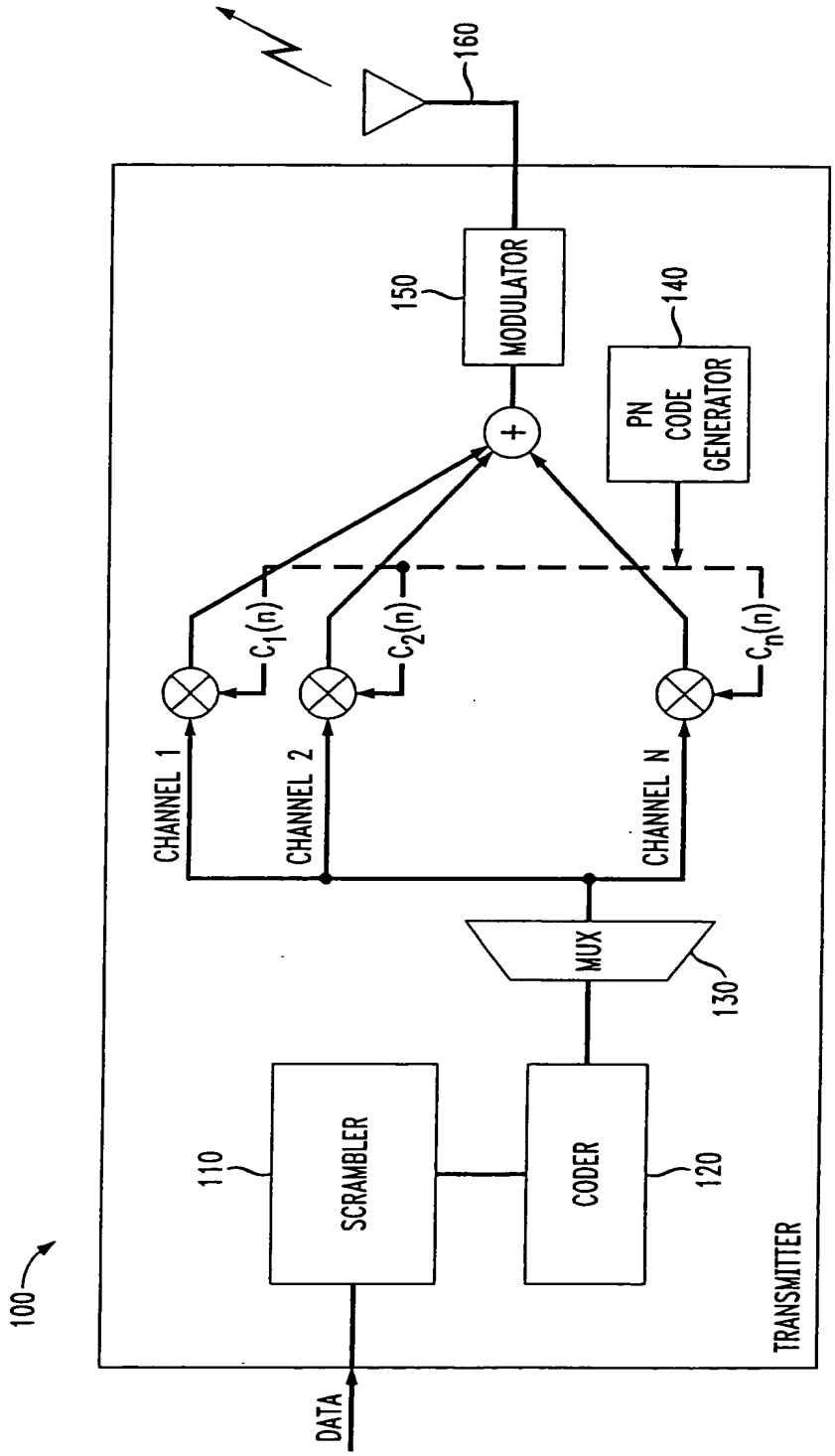
FIG. 1


160
150
MODULATOR
140
PN CODE GENERATOR
+
$C_1(n)$
$C_2(n)$
$C_n(n)$
CHANNEL 1
CHANNEL 2
CHANNEL N
MUX
130
110
SCRAMBLER
CODER
120
TRANSMITTER
100
DATA

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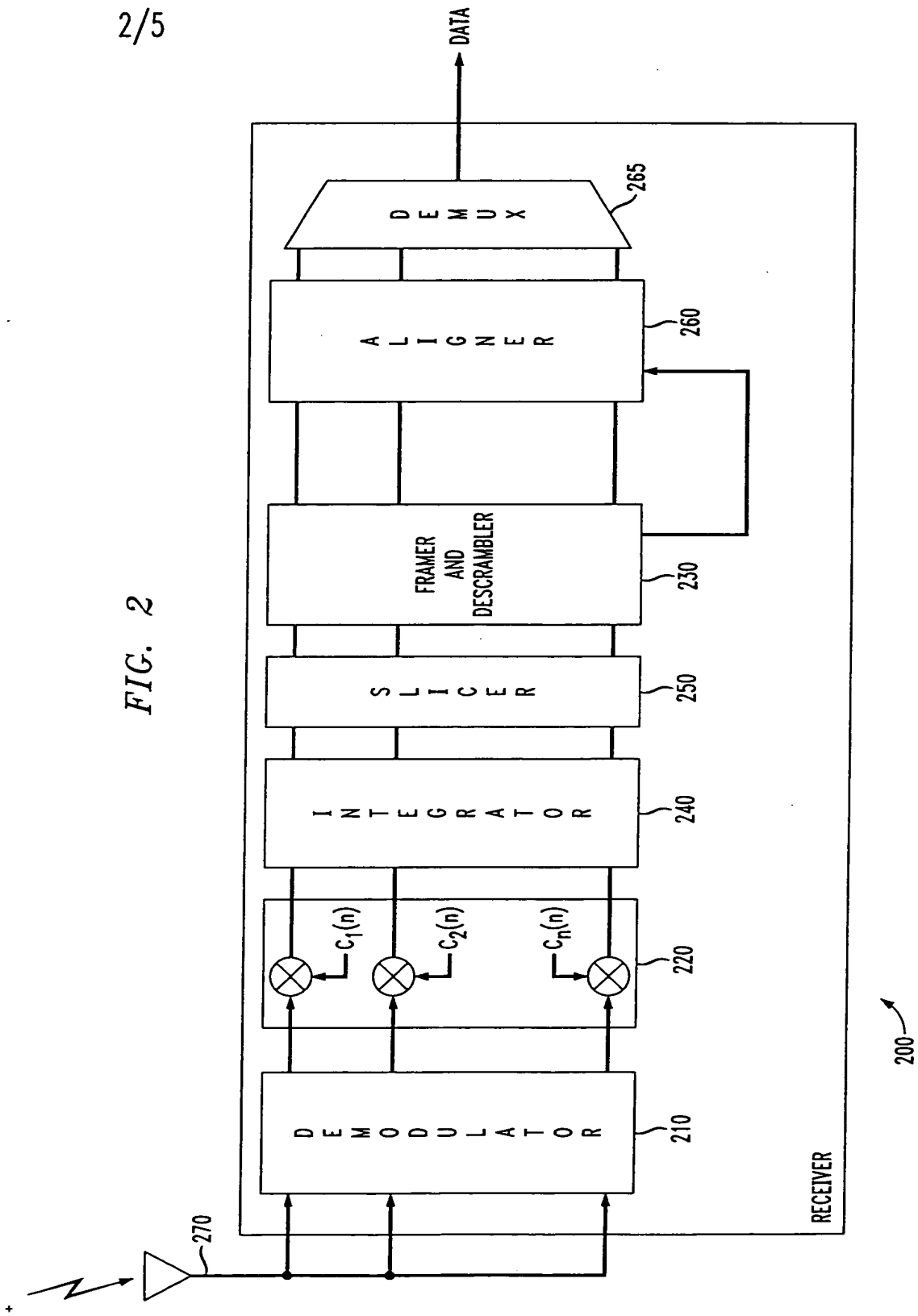
DATA
DEMUX
265
ALIGNER
260
FRAMER AND DESCRAMBLER
230
SLICER
250
INTEGRATOR
240
$c_1(n)$
$c_2(n)$
$c_n(n)$
220
DEMODULATOR
210
RECEIVER
200
270

FIG. 2

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FIG. 3

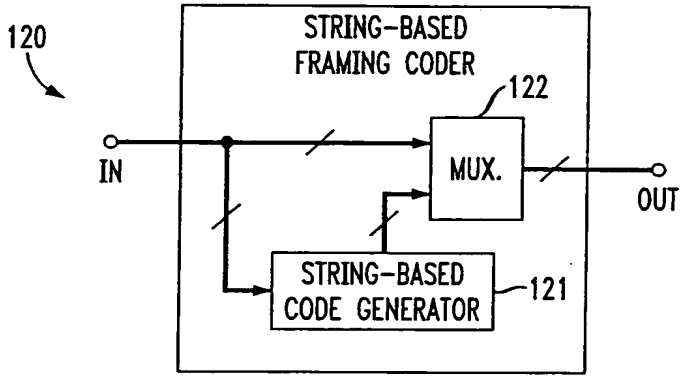

FIG. 4

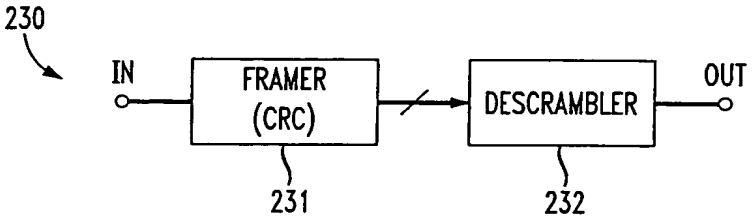

FIG. 5

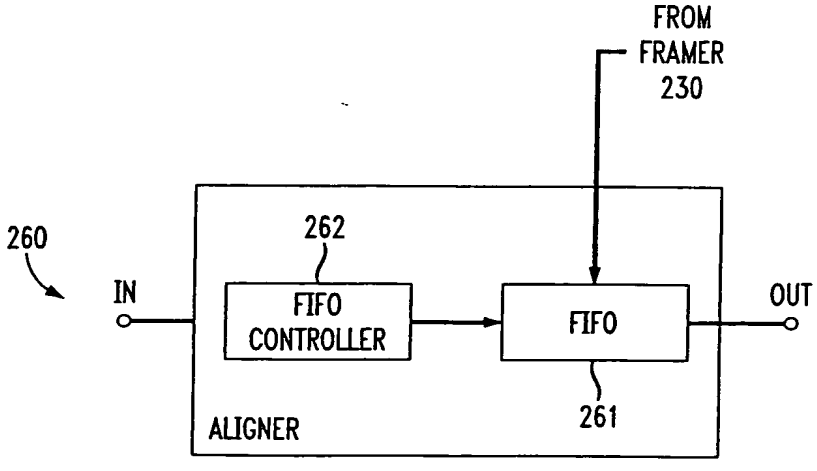

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FIG. 6

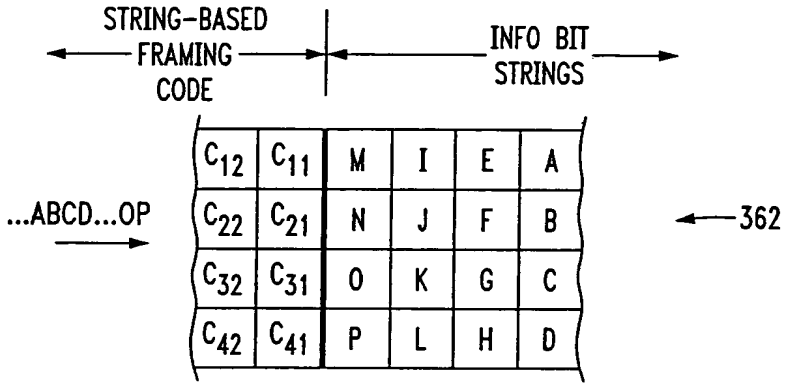

FIG. 7

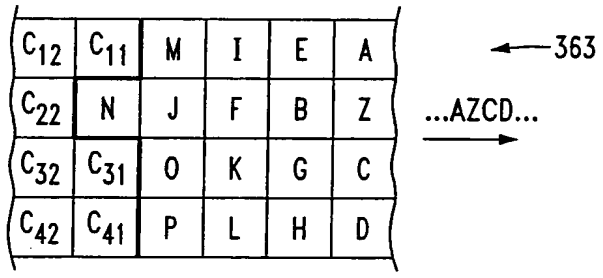

FIG. 8

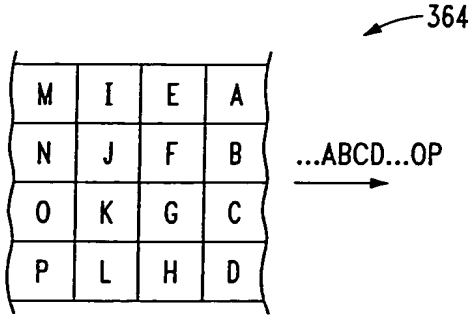

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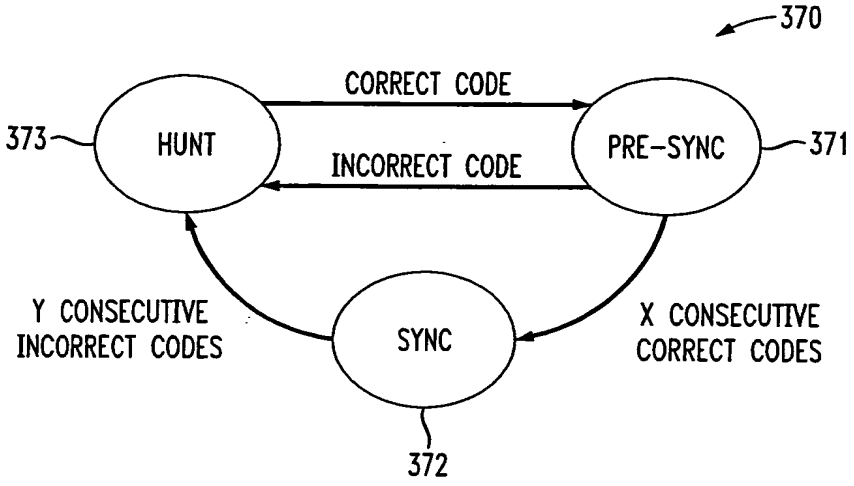
FIG. 9


370
CORRECT CODE
373
HUNT
INCORRECT CODE
PRE-SYNC
371
Y CONSECUTIVE
INCORRECT CODES
SYNC
X CONSECUTIVE
CORRECT CODES
372